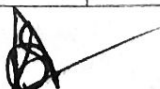


Subject Mathematics-II (Code) \_\_\_\_\_ Lesson Plan  
 Semester 2nd Class allotted 75 Name of faculty Kajal Priya Panig  
 Branch Sci. & Tech. Mech. & Mater.

Discipline	Semester	From date	To date	Teaching Aid
Subject:	No. of days/ per week	Theory/ Practical - Topics/Lesson		
Week	Date/Period			
1	20.03.2023	Introduction of vectors.		White board & Marker
	to	Type of vectors.		
		Representation of vectors		
	25.03.2023	Magnitude & direction of vector		
2		Addition of vectors		White board & Marker
	27.03.2023	Subtraction of vectors		
	to	Problems		
	31.03.2023	Position vector.		
3		Scalar product of two vectors		White board & Marker
	03-04-2023	Problems.		
	to	Geometrical meaning of dot product		
	08.04.2023	Angle bet <sup>n</sup> two vectors, problems		
4		Vector product & geometrical meaning		White board & Marker
	10-04-2023	Definition of function.		
	to	Type of function, constant fun <sup>n</sup> .		
	15.04.2023	Identity function.		
5		The greatest integer function		White board & Marker
	17-04-2023	Trigonometric function		
	to	Exponential function.		
	22.04.2023	Logarithmic function		
6		Introduction of limit.		White board & Marker
	24-04-2023	Existence of limit.		
	to	Methods of evaluation of limit.		
	29-04-2023	Problems of limit.		
7		Introduction of Derivative.		White board & Marker
	01-05-2023	Derivative of a function at a point.		
	to	Algebra of derivatives.		
	06-05-2023	Derivatives of standard function		
		Problems of derivative.		
		Exercise question.		
		Exercise.		
		Exercise.		

  
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Week	Date Period	Theory/Practical Topics/Lesson	Teaching Aid
8	08-05-2023	Derivatives of composite function	White board
	to	Methods of parametric function questions	Marker
9	13-05-2023	Implicit function, problems. problems.	White board
	to	Logarithmic function problems.	Marker
10	22-05-2023	Successive differentiation. problems.	White board
	to	partial diff. eqn, problems problems.	Marker
11	27-05-2023	problems on derivatives. Introduction of integration Definition of integration	White board & Marker
	29-05-2023	Integrals of standard function Method of integration	White board & Marker
12	03-06-2023	Integration by substitution Integration by parts, problems Integration of other forms problems	White board & Marker
	05-06-2023	problems problems	White board & Marker
13	10-06-2023	Definite integrals, problems properties, problems. Application of integration	White board & Marker
	12-06-2023	problems, Area enclosed by curve. Area of a circle with centre. problems.	White board & Marker
14	17-06-2023	Introduction of Diff. eqn? order of diff. eqn?	White board & Marker
	19-06-2023	Degree of a diff. eqn. Solution of differential eqn. problems.	White board & Marker
15	24-06-2023	problems. problems.	White board & Marker
	26-06-2023	1st order & 1st degree. diff. eqn problems. Linear eqn $\frac{dy}{dx} + Py = Q$ .	White board & Marker
	27-06-2023	problems problems	

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